

APALACHICOLA RIVER BASIN 2003 Water Year

02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°52'27", long 84°23'15" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Lake Forest Drive, 0.50 miles upstream of Nancy Creek, and 0.80 miles west of US 19 and GA 9.

DRAINAGE AREA.—0.24 mi².

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the Panola Mountain Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of Specific Conductance, pH, Water Temperature, Dissolved Oxygen, and Turbidity are by the U.S. Geological Survey.

APALACHICOLA RIVER BASIN 2003 Water Year

**02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—
continued.**

	Beryll-			Chrom-			Mangan-			Molyb-		
	Arsenic	Barium,	Brium	Cadmium	Cobalt,	Copper,	Iron,	Lead,	Lithium	Mese,	Mercury	Denum,
	suspnd	suspnd	suspnd	suspnd	suspnd	suspnd						
Date	sedimnt	sedimnt	sedimnt	sedimnt	sedimnt	sedimnt						
	total, ug/g (29818)	total, ug/g (29820)	total, ug/g (29822)	total, ug/g (29826)	total, ug/g (29829)	total, ug/g (35031)	total, percent (29832)	total, ug/g (30269)	total, ug/g (29836)	total, ug/g (35050)	total, ug/g (29839)	total, ug/g (29841)

APALACHICOLA RIVER BASIN
2003 Water Year

**02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—
continued.**

Date	Nickel, susnd sedimnt total, ug/g (29845)	Selen- ium, susnd sedimnt total, ug/g (29847)	Silver, susnd sedimnt total, ug/g (29850)	Stront- ium, susnd sedimnt total, ug/g (35040)	Titan- ium, susnd sedimnt total, ug/g (49955)	Vanad- ium, susnd sedimnt total, ug/g (30317)	Zinc, susnd sedimnt total, ug/g (29853)	Uranium conc, percent ug/g (29855)	Susnd. flow through total, ug/g (35046)	Uranium conc, mg/L (50279)	Alum- bed sed total, ug/g (35002)	Anti- mony, bed sed total, ug/g (34792)
	Sedimnt bed sed inum, mony, bed sed											
	<62.5um bed sed <62.5um bed sed											
	<62.5um bed sed <62.5um bed sed											
MAR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	37	M	<1	73	<100	.560	75	320	<100	6	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
16...	91	1	<.5	78	<50	.550	120	300	<50	7	--	--
JUL												
18...	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	<50	8.1	M
28...	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic bed sed	Barium, bed sed	Beryll- ium, bed sed	Cadmium bed sed	Chrom- ium, bed sed	Cobalt, bed sed	Copper, bed sed	Iron, bed sed	Lead, bed sed	Lithium bed sed	Mangan- ese, bed sed	Mercury bed sed	Molyb- denum, bed sed
Date	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd
	total, ug/g	total, ug/g	lab, tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g
	(34802)	(34807)	(34812)	(34827)	(34842)	(34847)	(34852)	(34882)	(34892)	(34897)	(34907)	(34912)
MAR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
16...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
18...	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	540	2	M	58	19	42	4.7	59	44	980	.07
28...	--	--	--	--	--	--	--	--	--	--	--	--
Nickel, bed sed	Selen- ium, bed sed	Silver, bed sed	Stront- ium, bed sed	Titan- ium, bed sed	Vanad- ium, bed sed	Zinc, bed sed	1- 4-Di- chloro- benzene	2,6-Di- naphth- alene	2- Methyl- naphth- alene	3-beta- Methyl- naphth- tanol	3- Methyl- naphth- indole,	
Date	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd	<62.5um dry svd
	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g	total, lab,tot ug/g
	(34927)	(34952)	(34957)	(34967)	(34992)	(35007)	(35022)	(35072)	(62054)	(62055)	(62056)	(62057)
MAR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<1
MAY												
16...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
18...	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
18...	29	.5	<.5	55	.850	100	170	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<1

APALACHICOLA RIVER BASIN 2003 Water Year

**02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—
continued.**

	3-tert-	5-Meth-										
Date	Butyl-	4-	4-	4-	4-tert-	yl-1H-	9,10-		Benz-	beta-		
	4-hy- droxy- anisole	Cumyl- phenol, water,	Octyl- phenol, water,	Nonyl- phenol, water,	Octyl- phenol, water,	benzo- azole, water,	Anthra- quinone, water,	Aceto- phenone, water,	Anthra- cene, water,	[a]- pyrene, water,	Benzo- phenone, water,	Sitos- terol, water,
	wat ug/L	flt ug/L	frtd, ug/L	frtd, ug/L	frtd, ug/L	wat ug/L	frtd, ug/L	frtd, ug/L	frtd, ug/L	frtd, ug/L	frtd, ug/L	
(62059)	(62060)	(62061)	(62085)	(62062)	(62063)	(62066)	(62064)	(62065)	(34221)	(34248)	(62067)	(62068)

MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	E.1	<2

MAR														
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	E.1	<.5	<1	<.5	<.5	<.5	<2	<1	M	<.5	<5
MAY														
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL														
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<.5	<2	<1	E.2	<.5	<5

	Di- ethoxy- octyl-	Ethoxy- D-Limo- nene	Fluor- phenol,	Indole, water,	Isobor- neol,	Iso- phorone, benzene	Iso- quinoline, water,	Iso- Menthol, water,	Meta- laxyl, water,	Methyl salicy- late,	
Date	phenol, water, fltrd (61705)	phenol, water, fltrd (62073)	anthene water, ug/L (61706)	HHCB, water, fltrd (34377)	Indole, water, fltrd (62075)	neol, water, fltrd (62076)	phorone water, ug/L (62077)	benzene water, fltrd (34409)	menthol water, fltrd (62078)	laxyl, water, fltrd (62080)	salicy- late, water, fltrd (50359)

APALACHICOLA RIVER BASIN
2003 Water Year

**02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—
continued.**

Date	Metola-	Naphth-	p-	Penta-	Phenan-	Prome-	Tetra-	Tri-	butyl	Tri-	
	chlor,	chlor,	chloro-	threne,	Phenol,	ton,	Pyrene,	chloro-	bromo-	phos-	Triclo-
	water,	alene,	Cresol,	phenol,	water,	water,	ethene,	methane	phate,	san,	citrate
	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(39415)	(34443)	(62084)	(34459)	(34462)	(34466)	(04037)	(34470)	(34476)	(34288)	(62089)
	(62090)	(62091)									
MAR											
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	M	<2	<.5	E.1	<.5	M	<.5	<.5	<1
MAY											
16...	--	--	--	--	--	--	--	--	--	--	--
JUL											
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	E.3	<.5	M	M	<.5	<1
<.5											
Tri-	Tris(2-	Tris(2-	Tris(di								
phenyl	butoxy-	chloro-	chloro-								
phos-	ethyl)	ethyl)	i-Pr)								
phate,	phos-	phos-	vos,								
water,	phate,	phate,	Sam-								
filtrd,	wat filt	wat filt	pling								
ug/L	ug/L	ug/L	water								
(62092)	(62093)	(62087)	(62088)	(38775)	(84164)	(82398)					
MAR											
21...	--	--	--	--	--	3070	10				
21...	--	--	--	--	--	3070	10				
21...	<.5	<.5	<.5	<.5	<1.00	3070	10				
MAY											
16...	--	--	--	--	--	3070	10				
JUL											
18...	--	--	--	--	--	3070	10				
18...	--	--	--	--	--	3070	10				
18...	--	--	--	--	--	3070	70				
28...	<.5	<.5	E.1	<.5	<1.00	3070	70				

Remark codes used in this report:

< -- Less than

> -- Greater than

E -- Estimated value

M -- Presence verified, not quantified

Value qualifier codes used in this report:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range